

## WEST Search History

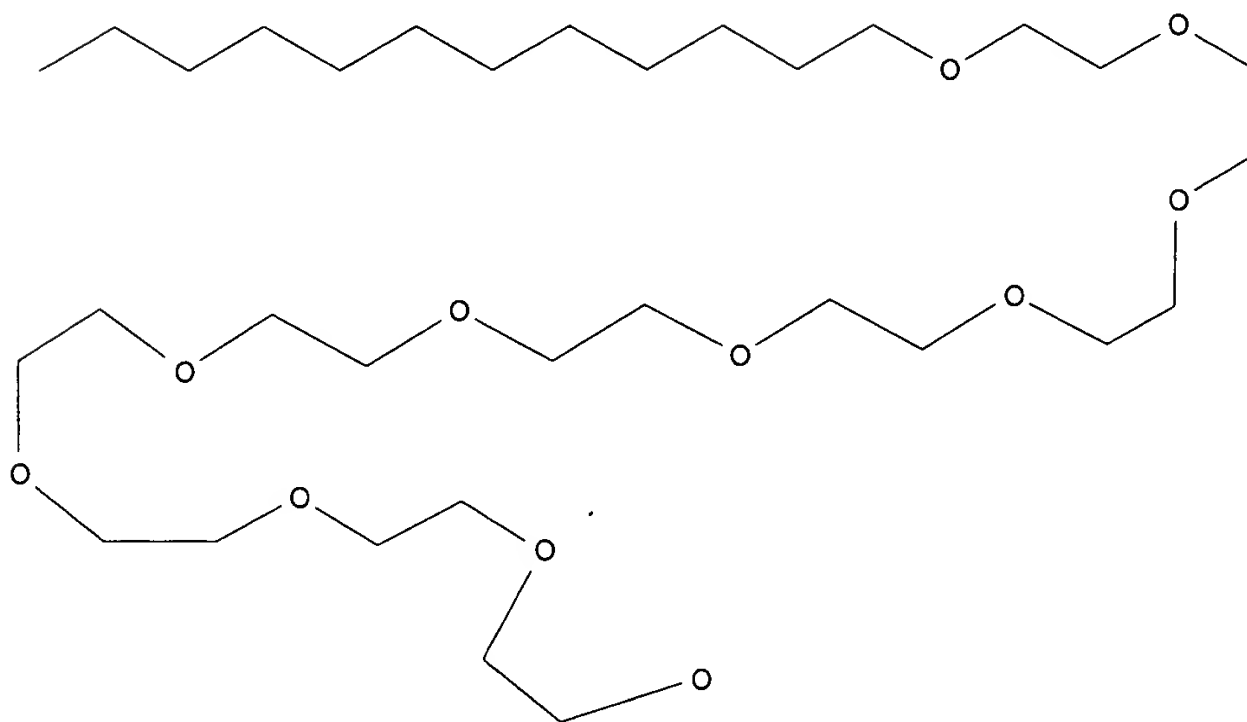




DATE: Thursday, June 08, 2006

<b>Hide?</b>	<b>Set Name</b>	<b>Query</b>	<b>Hit Count</b>
		<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L16	510560.ap.	5
<input type="checkbox"/>	L15	L14	3
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L14	510560.ap.	3
<input type="checkbox"/>	L13	magnesium stearate same blend same drug same tablet	110
<input type="checkbox"/>	L12	magnesium stearage same blend same active	2
<input type="checkbox"/>	L11	magnesium stearage same blend same drug	0
<input type="checkbox"/>	L10	magnesium stearage same blend same tablet	0
<input type="checkbox"/>	L9	magnesium stearage same blend same drug same tablet	0
<input type="checkbox"/>	L8	5879706.pn.	1
<input type="checkbox"/>	L7	l5 and magnesium stearate	42
<input type="checkbox"/>	L6	L5 and (fatty acid salt same (lumping or clumping))	2
<input type="checkbox"/>	L5	l3 and blend\$	428
<input type="checkbox"/>	L4	fatty acid salt same (drug or active) same blend\$	23
<input type="checkbox"/>	L3	fatty acid salt same (drug or active)	1268
		<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	fatty acid salt and (drug or active)	8197
<input type="checkbox"/>	L1	fatty acid salt	11884

END OF SEARCH HISTORY



Code	Name	Occurrence
BRN	Beilstein Records	1
BPR	Beilstein Preferred RN	1
RN	CAS Registry Number	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	2

DED	Entry Date	1
DUPD	Update Date	1
ASSM	Association (MCS)	8
BSPM	Boundary Surface Phenomena (MCS)	9
CMC	Critical Micelle Concentration (MCS)	19
ECDP	Abiotic Degradation, Photolysis	1
ECTOX	Ecotoxicology	3
FINFO	Further Information	2
IR	Infrared Spectrum	2
MP	Melting Point	3
MS	Mass Spectrum	1
PHARM	Pharmacological Data	3
RI	Refractive Index	3
SOLM	Solution Behaviour (MCS)	1
ST	Surface Tension	1
TRAM	Transport Phenomena (MCS)	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
=====		
RX	Reaction Documents	2
RXPRO	Substance is Reaction Product	2

#### Further Information:

##### FINFO

##### Reference(s):

1. Tokiwa, J.Phys.Chem., CODEN: JPCHAX, 72, <1968>, 1214

##### FINFO

##### Reference(s):

1. Meguro et al., Bull.Chem.Soc.Jpn., CODEN: BCSJA8, 40, <1967>, 2675,2678
2. Ginn; Harris, J.Am.Oil Chem.Soc., CODEN: JAOCA7, 38, <1961>, 605,607,608

#### Surface Tension:

Value	Temp.	Ref.
(ST)	(.T)	
(g/s**2)	(Cel)	
=====+=====+=====		
29.5	20	1

#### Reference(s):

1. Walters, K. A.; Dugard, P. H.; Florence, A. T., J.Pharm.Pharmacol., CODEN: JPPMAB, 33, <1981>, 207-213; BABS-5807590

#### Refractive Index:

Value	Temp.	Wavelen.	Ref.
(RI)	(.T)	(.W)	
(--)	(Cel)	(nm)	
=====+=====+=====+=====			
1.453	40	589	1
1.4492	50	589	2
1.4505	50	589	3

#### Reference(s):

1. Gerhardt et al., J.Am.Oil Chem.Soc., CODEN: JAOCA7, 51, <1974>, 479
2. Mulley,B.A.; Winfield,A.J., J.Chem.Soc.A, CODEN: JCSIAP, <1970>, 1459-1464
3. Schuering; Ziegenbein, Tenside, CODEN: TESDAW, 4, <1967>, 161,162,163

Melting Point:

Value (MP) (Cel)	Ref.
=====+=====	
40	1
36.5	2
32.2 - 35.6	3

Reference(s):

1. Schuering; Ziegenbein, Tenside, CODEN: TESDAW, 4, <1967>, 161,162,163
2. Mulley,B.A.; Winfield,A.J., J.Chem.Soc.A, CODEN: JCSIAP, <1970>, 1459-1464
3. Gerhardt et al., J.Am.Oil Chem.Soc., CODEN: JAOCA7, 51, <1974>, 479

Infrared Spectrum:

Descript ion (.KW)	Solvent (.SOL)	Ref.
=====+=====+=====		
Spectrum	film	1
IR		2

Reference(s):

1. Celik, Oezguer; Dag, Oemer, Angew.Chem.Int.Ed., CODEN: ACIEF5, 40(20), <2001>, 3800 - 3803, Angew.Chem., CODEN: ANCEAD, 113, <2001>, 3916 - 3919; BABS-6320711
2. Schuering; Ziegenbein, Tenside, CODEN: TESDAW, 4, <1967>, 161,162,163

Mass Spectrum:

MS

Description (.KW): spectrum, fast atom bombardment (FAB)

Reference(s):

1. Paune, F.; Caixach, J.; Espadaler, I.; Om, J.; Rivera, J., Water Res., CODEN: WATRAG, 32(11), <1998>, 3313 - 3324; BABS-6182893

## Castor Oil-Based Emulsifiers

Lambent's castor oil-based emulsifiers offer emulsification, conditioning, and solubilization properties to personal care formulations. These castor oil derivatives are resistant to hydrolysis and enhance the gelling properties of other surfactants in water-in-oil emulsions.

Product	INCI Name	Appearance	HLB*
LUMULSE CO-5	PEG-5 Castor Oil	Liquid	4.0
LUMULSE CO-25	PEG-25 Castor Oil	Liquid	10.8
LUMULSE HCO-25	PEG-25 Hydrogenated Castor Oil	Liquid	10.8
LUMULSE CO-40	PEG-40 Castor Oil	Liquid	13.0
LUMULSE HCO-40	PEG-40 Hydrogenated Castor Oil	Soft Solid	14.0
LUMULSE HCO-50	PEG-50 Hydrogenated Castor Oil	Soft Solid	14.1

## Multifunctional Glycerol Esters

Lambent's glycerol esters are effective emulsifiers, emollients, and opacifiers. Like PEG esters, glycerol esters are critical components in a range of personal care formulations that include bath oils, creams, lotions, antiperspirants, hair care products, and sunscreens because of their dual emulsification and emollient nature.

Product	INCI Name	Appearance	HLB*
LUMULSE GMR K	Glyceryl Ricinoleate	Amber Liquid	2.6
LUMULSE GMO K	Glyceryl Oleate	Amber Liquid	2.8
LUMULSE GMS K	Glyceryl Stearate	White Flakes	4.0
LUMULSE GML K	Glyceryl Laurate	Cream Paste	5.2
LUMULSE GMS-A	Glyceryl Stearate and PEG-100 Stearate	White Flakes	11.0
LUMULSE POE (7) GML	PEG-7 Glyceryl Cocoate	Viscous Liquid	13.0
LUMULSE POE (20) GMS K	PEG-20 Glyceryl Stearate	White Flakes	13.5

## Ethoxylated Alcohols and Ethoxylated Glycerine

Lambent offers the formulator a variety of ethoxylated alcohols and ethoxylated glycerine to assist in solving "stabilization" problems. These surfactants exhibit a large range in HLB values and are compatible with anionic, cationic, and amphoteric surfactants to aid in formulating complicated emulsions. Ethoxylated alcohols are considered mild and may be used as components in antiperspirants, shampoos, creams, lotions, and other topical products. Lambent's ethoxylated glycerine compounds are excellent foam stabilizers, humectants, and pigment dispersants.

Product	INCI Name	Appearance	HLB*
LUMULSE L-4	Laureth-4	Liquid	9.5
LUMULSE L-12	Laureth-12	Solid	14.5
LUMULSE CS-20	Ceteareth-20	Solid	15.2
LUMULSE L-23	Laureth-23	Solid	16.7
LUMULSE POE (26) Glycerine	Glycereth-26	Liquid	18.4

## Other Specialties

Lambent offers a variety of unique products that can lead to unique formulations. These specialty materials can be used as emollients, emulsifiers, and serve other functions as described below.

Product	Description	Applications
LUMULSE CC-22 K	Propylene Glycol Dicaprylate / Dicaprate	Emollient, solubilizer, oxidatively stable
LUMULSE CC-33 K	Capric / Caprylic Triglyceride	Emollient, solubilizer, oxidatively stable
LAMCHEM™ PE-130 K	Monosodium phosphated mono- and diglycerides	Emollient, emulsifier
ERUCICAL® EG-20	Long-chain liquid wax ester	Emollient, jojoba oil extender
OLEOCAL® C-105 K	~85% Oleic Canola Oil	Oxidatively stable emollient and solubilizer

For further product information, recommendations, samples, or technical service, contact your Lambent representative or customer service at:

### Lambent Technologies Corp.

3938 Porett Drive Gurnee, IL 60031  
Tel: (847) 244-3410 or (800) 432-7187  
Fax: (847) 249-6792  
Email: [lambent@lambentcorp.com](mailto:lambent@lambentcorp.com)  
Visit our website at [www.lambentcorp.com](http://www.lambentcorp.com)

LUMISORB, LUMULSE, and LAMCHEM  
are trademarks of Petroferm Inc.  
ERUCICAL and OLEOCAL are registered trademarks of Petroferm Inc.



## Product Info

## Material Safety Data Sheets

**817081 Sodium caprylate**  
Ph Eur

Quick access to...

**Synonyms** Octanoic acid sodium salt, Sodium caprylate

**Formula Hill**  $C_8H_{15}NaO_2$

**Chemical formula**  $CH_3(CH_2)_6COONa$

**Hazard Symbol**



Xi

## At a glance

<b>R Phrase</b>	R 36/38	<b>HS Code</b>	2915 90 80
<b>RTECS</b>	RH0787000	<b>EC number</b>	217-850-5
<b>Molar mass</b>	166.20 g/mol	<b>WGK</b>	1 (slightly polluting substance)
<b>Storage class (VCI)</b>	10-13 Other liquids and solids	<b>CAS number</b>	1984-06-1

## Ordering number

8.17081.1000

## Package

Plastic bottle

## Size

1 kg

## Chemical and physical data

<b>Formula Hill</b>	$C_8H_{15}NaO_2$	<b>Chemical formula</b>	$CH_3(CH_2)_6COONa$
<b>Solubility in water</b>	(20 °C) freely soluble	<b>Melting point</b>	> 225 °C
<b>Molar mass</b>	166.20 g/mol	<b>pH value</b>	8.0 - 10.5 (100 g/l, H <sub>2</sub> O, 20 °C)



## Safety information

**R Phrase** R 36/38  
Irritating to eyes and skin.

**Categories of danger** irritant

**Hazard Symbol**



Xi Irritant

**WGK** 1 (slightly polluting substance)

## Disposal

3  
Relatively unreactive organic reagents should be collected in Category A. If halogenated, they should be placed in Category B. For solid residues use Category C.

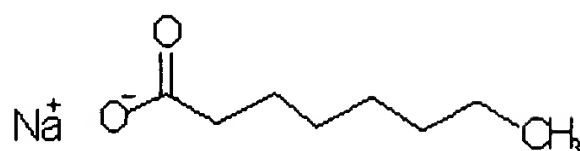
## Storage and Transport

<b>HS Code</b>	2915 90 80	<b>Storage class (VCI)</b>	10-13 Other liquids and solids
----------------	------------	----------------------------	--------------------------------

**WGK** 1 (slightly polluting substance)

**Specification**

Appearance	Almost white fine cristal powder
Appearance of solution (10 %; water)	Clear and colorless to almsot colorless.
Assay (Perchloric acid titration, calc. on anhydrous substance)	99.0 - 101.0 %
Related substances	passes test
Identity	passes test
Water (according to Karl Fischer)	≤ 3.0 %
Heavy metals (as Pb)	≤ 0.001 %
pH-value (10 %; water)	8.0 - 10.5
Residual solvents (according to Ph. Eur./ICH)	excluded by production process
Endotoxines	≤ 20 U/g
Corresponds Pha Eur	



Top

Last update 25.04.2006, © Merck KGaA, Darmstadt, Germany